

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A biosensor comprising:

a development layer for developing an inspection target solution as a specimen by making the inspection target solution permeate inwards,

wherein said development layer includes a reagent immobilization part immobilized therein and a marker reagent holding part where a marker reagent which can be eluted by the development of the inspection target solution is held,

wherein said biosensor measures a bonding amount of the marker reagent in said reagent immobilization part, thereby qualitatively or quantitatively measuring components to be measured in the inspection target solution, and

wherein said biosensor further comprises:

a space forming part which forms a cavity part, wherein said cavity part is a space into which the inspection target solution flows by a capillary phenomenon,

wherein said space forming part is located only at a part upstream of said reagent immobilization part in a permeating direction of the inspection target solution,

wherein an amount of inspection target solution which flows into said cavity part is regulated by a volume of said cavity part, and

wherein an amount of inspection target solution regulated by the volume of said cavity part is the amount which makes ~~set so as to enable execution of B/F separation of the marker reagent in said reagent immobilization part~~ B/F separated in a process of the inspection target solution being permeated into said development layer during a measurement.

2. (Currently Amended) A biosensor comprising:

a development layer for developing an inspection target solution as a specimen by making the inspection target solution permeate inwards; and

a reagent immobilization part immobilized in a part of said development layer for developing the inspection target solution,

wherein said biosensor measures a bonding amount of the marker reagent in the reagent immobilization part, thereby qualitatively or quantitatively measuring components to be measured in the inspection target solution, and

wherein said biosensor further comprises:

a space forming part which forms a cavity part, wherein said cavity part is a space into which the inspection target solution flows by a capillary phenomenon; and

a marker reagent holding part for holding a marker reagent which can be eluted by flowing-in of the inspection target solution, in said cavity part,

wherein said space forming part is located only at a part upstream of said reagent immobilization part in a permeating direction of the inspection target solution,

wherein an amount of inspection target solution which flows into said cavity part is regulated by a volume of said cavity part, and

wherein an amount of inspection target solution regulated by the volume of said cavity part is the amount which makes ~~set so as to enable execution of B/F separation of~~ the marker reagent in said reagent immobilization part B/F separated in a process of the inspection target solution being permeated into said development layer during a measurement.

3. (Previously Presented) The biosensor as defined in Claim 1, wherein said cavity part temporarily holds the inspection target solution.

4-5. (Canceled)

6. (Previously Presented) The biosensor as defined in Claim 1, further including a cell component destruction reagent part for destroying cell components in said cavity part.

7. (Previously Presented) The biosensor as defined in Claim 1, further including a cell component shrinkage reagent part for shrinking cell components in said cavity part.

8. (Previously Presented) The biosensor as defined in Claim 1, further including a bleaching reagent part in said cavity part.

9. (Previously Presented) The biosensor as defined in Claim 1, wherein said cavity part has a volume of 20 μ l or less.

10. (Previously Presented) The biosensor as defined in Claim 1, wherein said cavity part has a means for externally checking whether the inspection target solution flowed inwards or not.

11. (Previously Presented) The biosensor as defined in Claim 1, wherein said space forming part is partially or entirely light permeable.

12. (Previously Presented) The biosensor as defined in Claim 1, further including a separation part for separating concrete components unnecessary for a measurement in said cavity part.

13-16. (Canceled)

17. (Previously Presented) The biosensor as defined in Claim 1, wherein said space forming part includes an air vent for assisting the inspection target solution in flowing into said cavity part.

18. (Previously Presented) The biosensor as defined in Claim 1, further including a porous material which can be permeated by permeation of the inspection target solution in said cavity part.

19. (Previously Presented) The biosensor as defined in Claim 1, wherein the reagent in said reagent immobilization part and the marker reagent are in a dry state.

20. (Previously Presented) The biosensor as defined in Claim 1, wherein the biosensor is employed for an immuno-chromatography.

21. (Previously Presented) The biosensor as defined in Claim 1, wherein the biosensor is employed for a one-step immuno-chromatography.

22. (Previously Presented) The biosensor as defined in Claim 2, wherein said cavity part temporarily holds the inspection target solution.

23-24. (Canceled)

25. (Previously Presented) The biosensor as defined in Claim 2, further including a cell component destruction reagent part for destroying cell components in said cavity part.

26. (Previously Presented) The biosensor as defined in Claim 2, further including a cell component shrinkage reagent part for shrinking cell components in said cavity part.

27. (Previously Presented) The biosensor as defined in Claim 2, further including a bleaching reagent part in said cavity part.

28. (Previously Presented) The biosensor as defined in Claim 2, wherein said cavity part has a volume of 20 μ l or less.

29. (Previously Presented) The biosensor as defined in Claim 2, wherein

said cavity part has a means for externally checking whether the inspection target solution flowed inwards or not.

30. (Previously Presented) The biosensor as defined in Claim 2, wherein said space forming part is partially or entirely light permeable.

31. (Previously Presented) The biosensor as defined in Claim 2, further including a separation part for separating concrete components unnecessary for a measurement in said cavity part.

32-35. (Canceled)

36. (Previously Presented) The biosensor as defined in Claim 2, wherein said space forming part includes an air vent for assisting the inspection target solution in flowing into said cavity part.

37. (Previously Presented) The biosensor as defined in Claim 2, further including a porous material which can be permeated by permeation of the inspection target solution in said cavity part.

38. (Previously Presented) The biosensor as defined in Claim 2, wherein the reagent in said reagent immobilization part and the marker reagent are in a dry state.

39. (Previously Presented) The biosensor as defined in Claim 2, wherein the biosensor is employed for an immuno-chromatography.

40. (Previously Presented) The biosensor as defined in Claim 2, wherein the biosensor is employed for a one-step immuno-chromatography.

41. (Canceled)

42. (Previously Presented) The biosensor as defined in claim 1, wherein a portion of said development layer, other than a portion of said development layer facing said cavity party, is adherently covered by a liquid-impermeable material.

43. (Previously Presented) The biosensor as defined in claim 1, wherein said development layer is disposed so that only a portion of said development layer is able to contact an externally located inspection target solution, the portion of said development layer which is able to contact the externally located inspection target solution facing said cavity part.

44. (Canceled)

45. (Previously Presented) The biosensor as defined in claim 2, wherein a portion of said development layer, other than a portion of said development layer facing said cavity party, is adherently covered by a liquid-impermeable material.

46. (Previously Presented) The biosensor as defined in claim 2, wherein said development layer is disposed so that only a portion of said development layer is able to contact an externally located inspection target solution, the portion of said development layer which is able to contact the externally located inspection target solution facing said cavity part.